

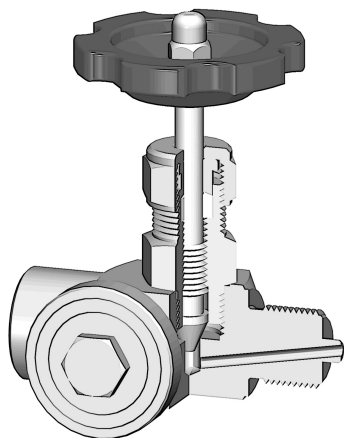


CP-11

Needle Valve with Bridle for Pattern (MxF)

Working Pressures: 100 | 420 bar (1500 | 6000 PSI)

TECVAL CP-11 valves are used for working under both high pressure and temperature service. Incorporated in the design, a bridle for pattern manometer and a back-seat allow the free packing change in service.



Features

- Male-Female connections.
- Metal-to-metal shut-off.
- Easy packing external adjustment.
- Free packing change in service.
- PTFE packing.
- 100% tested.

Options

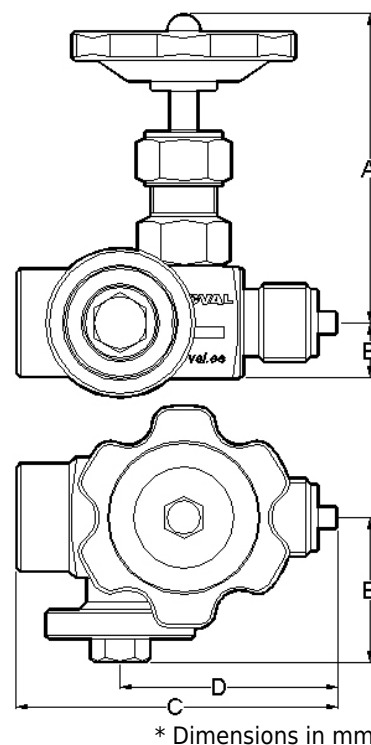
- Bleed screw in outlet. **P**
- AISI-316 T-Bar handle. **M**
- High working pressure 420 bar (6000 PSI). **I**
- Grafoil packing for high temperatures. **G**

Technical data

Max. Pressure	Standard working pressure: 100 bar (1500 PSI) High working pressure 420 bar (6000 PSI)	
Temperatures	-20°C/400°C (-4°F/752°F)	
Dimensions	1/4"	1/2"
A Open	89	92
A Closed	82	82
B	12.5	15
C (GAS-BSP)	75	86
C (NPT)	75	81
D (GAS-BSP)	50	58
D (NPT)	50	53
E	38	40
Orifice Size	2.5	2.5
Maximum Cv	0.1	0.1

Order codes

BSP	2200	2204
NPT	2201	2205



Materials

Nº	Part	Brass LA	Carbon Steel AC	AISI-316L A4	Special alloys
1	Set screw	AISI-304 (1.4301)	AISI-304 (1.4301)	AISI-304 (1.4301)	AISI-304 (1.4301)
2	Handle washer	AISI-304 (1.4301)	AISI-304 (1.4301)	AISI-304 (1.4301)	AISI-304 (1.4301)
3	Handle wheel	Black painted aluminium	Black painted aluminium	Black painted aluminium	Black painted aluminium
4	Nut	Brass (1.7660)	F-112 (1.1158)	AISI-316L (1.4404)	AISI-316L (1.4404)
5	Gland	Brass (1.7660)	F-112 (1.1158)	AISI-316L (1.4404)	AISI-316L (1.4404)
6	Packing	P.T.F.E.	P.T.F.E. or Grafoil	P.T.F.E. or Grafoil	P.T.F.E. or Grafoil
7	Bonnet	Brass (1.7660)	F-112 (1.1158)	AISI-316L (1.4404)	Special alloy
8	Stem	AISI-316L (1.4404)	AISI-316L (1.4404)	AISI-316L (1.4404)	Special alloy
9	Body	Brass (1.7660)	F-112 (1.1158)	AISI-316L (1.4404)	Special alloy
10	Bridle	Brass (1.7660)	F-112 (1.1158)	AISI-316L (1.4404)	Special alloy
11	Cap	Brass (1.7660)	F-112 (1.1158)	AISI-316L (1.4404)	Special alloy
12	Joint	P.T.F.E.	P.T.F.E.	P.T.F.E.	P.T.F.E.

Special alloys

Among the wide range of alloys existing, TECVAL has selected those considered by our customers as most suitable, which we stock to ensure a quick and effective supply. Whether you do not find the required alloy or need further information about our exotic alloys valves and fittings, please address your inquiry to our Technical Department.

AISI-316Ti (1.4571) **A6**

AISI-904L (1.4539) **A9**

Duplex (1.4462) **AD**

SuperDuplex (1.4410/1.4501) **AS**

254-SMO (1.4547) **AV**

Titanium Gr.2 (3.7034) **TI**

Hastelloy C-276 (2.4819) **HA**

Ordering information

References are formed by three parts:

Valve Code	Option/s	Material
Look for it in the order codes chart on the previous page.	-If required, add the code/s from the options section on the previous page (in alphabetical order)	-Look for the code on the materials chart.

An example of valve and two options:

Needle valve CP-11 1/2"BSP AISI-316 with grafoil packing and bleed screw in outlet:

2204 GP A4 The reference to place the order is **2204GPA4**

Tests

100% tested in accordance to API STANDARD 598, each valve is tested to check the leakage in the seats and packing. Upon request, the corresponding materials and test certificates can be delivered with the valve.

Packaging

All TECVAL valves are supplied packed in individual polyethylene airtight bags, which include the general features of the valve. End screw connections are protected with polyethylene caps. Everything is 100% recyclable.

Maintenance

Adjustment of the packing may be necessary during the working life of the valve. The operation consists of turning the nut (4) clockwise.

Valves with long no-working period may have a harder initial operating torque.



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